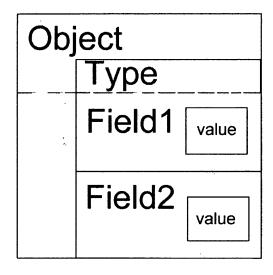
Object Oriented Runtime Comparison



OOP

To evaluate Object.Field1:

- 1) Lookup static Type,
- 2) Lookup static Field1 location,
- 3) Retrieve value.

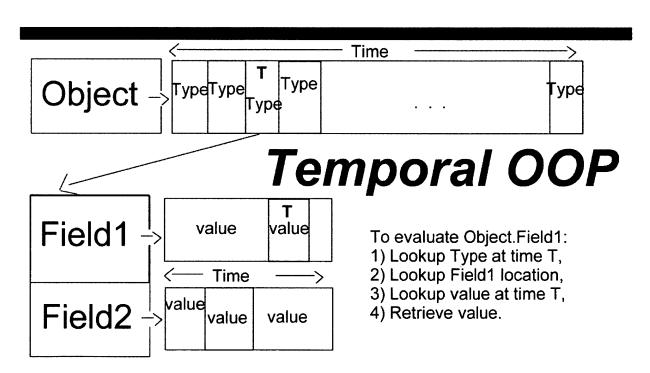


FIGURE 2

GENERAL ERROR CONDITIONS

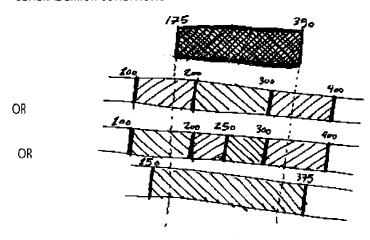


FIGURE 3

ADD_NEW_ATTRVAL_SHIFT (ONE END-POINT)

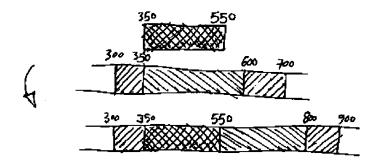


FIGURE 4

ADD_NEW_ATTRVAL_SHIFT (ONE END-POINT)

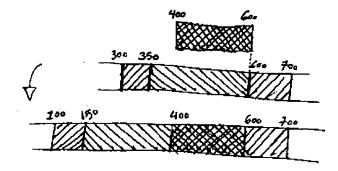


FIGURE 5

ADD_NEW_ATTRVAL_SHIFT (TWO END-POINTS)

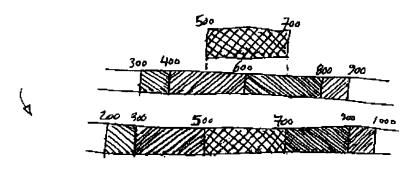


FIGURE 6

GENERAL ERROR CONDITIONS

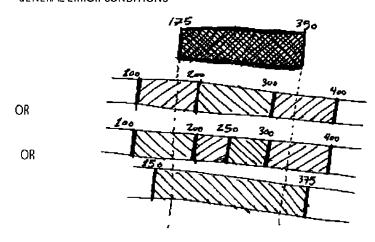
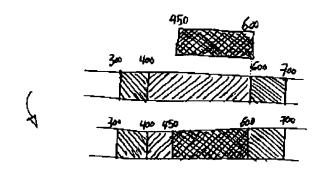


FIGURE 7

ADD_NEW_ATTRVAL_SQUEEZE (ONE END-POINT)



ADD_NEW_ATTRVAL_SQUEEZE (ONE END-POINT)

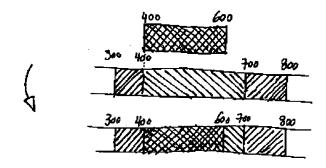


FIGURE 9

ADD_NEW_ATTRVAL_SQUEEZE (TWO END-POINTS)

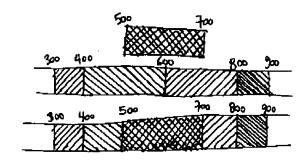
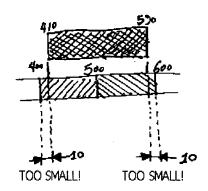


FIGURE 10

ERROR CONDITION - ADD_NEW_ATTRVAL_SQUEEZE



When MIN_ATTRVAL_SIZE == 20

FIGURE 11

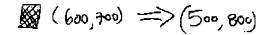
FINAL_EDIT_ATTRVAL_SHIFT

(600,700) => (500,750)

300 400 60 700 850 1050 1300

200 300 500 750 900 1100 1350

FINAL_EDIT_ATTRVAL_SQUEEZE



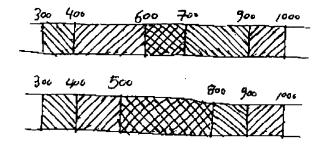
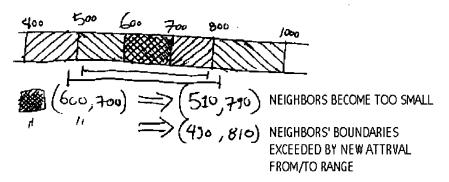
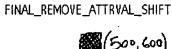


FIGURE 13

`ERROR CONDITIONS - FINAL_EDIT_ATTRVAL_SQUEEZE



When $MIN_ATTRVAL_SIZE == 20$ (for example)



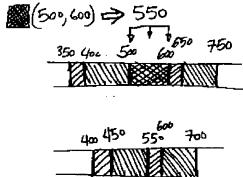
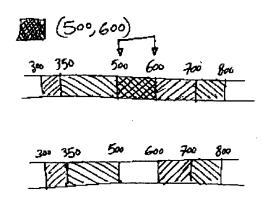


FIGURE 15

FINAL_REMOVE_ATTRVAL_LEAVE_GAP



FINAL_REMOVE_ATTRVAL_FILL

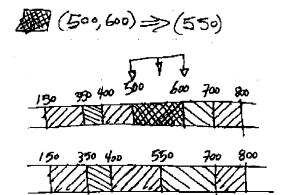


FIGURE 17